EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	44	((TOBIAS) near2 (SCHMIDT)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/19 15:53
L2	1	((MATHIAS) near2 (MAHNKE)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/19 15:53
L3	30	((UWE) near2 (LEHMANN)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/19 15:53
L4	73	L1 L2 L3	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/19 15:53
L5	44	((TOBIAS) near2 (SCHMIDT)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/19 15:53
L6	1	((MATHIAS) near2 (MAHNKE)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/19 15:53
L7	44	5 6	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/19 15:54
S1	1	"20060210441".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/15 18:01
S2	6	("20020176804" | "20040223282" | "4474889" | "4493476" | "5178190" | "5909078").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/09 15:24
S3	2	"10315282".pn.	DERWENT	OR	ON	2009/02/09 18:27
S4	1	"19726000".pn.	DERWENT	OR	ON	2009/02/09 18:51
S5	4	"9627792".pn. "9006470".pn.	DERWENT	OR	ON	2009/02/09 18:54
S6	1	"9627792".pn. "9006470".pn.	EPO	OR	ON	2009/02/09 18:55
S7	2350	$chromatogra$ and ("dead volume" dead $1volume)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/09 18:58
S8	877	(gas with $chromatogra$) and ("dead volume" dead $1volume$ "dead volumes")	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 10:28
S9	1	"1,867,982".pn.	EPO	OR	ON	2009/02/10 13:01

S10	309	(gas with $chromatogra$) and ("dead volume" dead $1volume$ "dead volumes") and injector	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 15:37
S11	87	sls.as.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 16:21
S12	514	sls.as.	FPRS; EPO; JPO	OR	ON	2009/02/10 16:25
S13	7	sls.as. and $chromatogra$	FPRS; EPO; JPO	OR	ON	2009/02/10 16:26
S14	13	((TOBIAS) near2 (SCHMIDT)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 16:34
S15	1	((MATHIAS) near2 (MAHNKE)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 16:34
S16	22	((UWE) near2 (LEHMANN)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 16:34
S17	24	((TOBIAS) near2 (SCHMIDT)).INV.	EPO; JPO; DERWENT	OR	ON	2009/02/10 16:44
S18	34	S14 S15 S16	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 16:45
S19	1	((MATHIAS) near2 (MAHNKE)).INV.	EPO; JPO; DERWENT	OR	ON	2009/02/10 16:45
S20	57	((UWE) near2 (LEHMANN)).INV.	EPO; JPO; DERWENT	OR	ON	2009/02/10 16:45
S21	80	S17 S19 S20	EPO; JPO; DERWENT	OR	ON	2009/02/10 16:45
S22	511	422/89.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 18:08
S23	127	422/89.ccls. and injector	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 18:10
S24	1	"6632404".pn.	DERWENT	OR	ON	2009/02/10 18:13
S26	330	422/89.ccls. and (valve injector (flow with divert $))	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 18:23
S27	203	S26 not S23	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 18:23
S29	111	(gas with $chromatogra$) and (slid$4 near valve)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 18:27
S30	11	(gas with $chromatogra$) and (slid$4 near valve) and ("dead volume" dead $1volume$ "dead volumes")	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 18:28

S31	148	(slid$4 near valve) and ("dead volume" dead $1volume$ "dead volumes")	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 18:32
S32	1	"20060060811".pn.	DERWENT	OR	ON	2009/02/10 18:34
S33	0	2003/0015682.pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 18:52
S34	1	"20030015682".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 18:53
S36	99	S29 not (S31 S23)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/10 19:47
S37	68	73/19.02.ccls. and (valve injector (flow with divert $))	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:00
S38	207	96/105.ccls. and (valve injector (flow with divert $))	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:34
S39	312	96/105.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:39
S40	105	S39 not S38	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:39
S41	71	95/89.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:42
S42	984	73/23.35-23.42.ccls. and (valve injector (flow with divert$))	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:46
S43	330	422/89.ccls. and (valve injector (flow with divert $))	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:47
S44	111	(gas with $chromatogra$) and (slid$4 near valve)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:47
S45	148	(slid$4 near valve) and ("dead volume" dead $1volume$ "dead volumes")	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:47
S46	725	S42 not (S41 S39 S37 S45 S44 S43)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:47
S47	15	73/23.35-23.42.ccls. and (slid$4 near valve)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:48
S48	489	210/659.ccls. not (S41 S39 S37 S45 S44 S43)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:50
S49	198	73/61.56.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 11:55
S50	1	"20070107499".pn.	DERWENT	OR	ON	2009/02/11 11:56

S51	0	"20010190237".pn.	US-PGPUB; USPAT	OR	ON	2009/02/11 11:59
S52	1	"20010019843".pn.	US-PGPUB; USPAT	OR	ON	2009/02/11 12:00
S53	8933	("251"/$.ccls. "137"/$. ccls.) and (slid$4 near valve)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 13:48
S54	19	("251"/$.ccls. "137"/$. ccls.) and (slid$4 near valve) and $chromatogra$	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 13:53
S55	1	"20070144594".pn.	DERWENT	OR	ON	2009/02/11 13:55
S56	1	"6702256".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 13:58
S57	9	("2371632" | "2479177" | "2677390" | "3186234" | "3633426").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 14:02
S58	36	("4119120").URPN.	USPAT	OR	ON	2009/02/11 14:04
S59	35	("2830738" | "3160015" | "3222135" | "3298786" | "3570540" | "3915652" | "3933165" | "4022065" | "4047540" | "4064908" | "4168235" | "4182184" | "4580759" | "5034193" | "5205845" | "5367912" | "5390552" | "5449064" | "5524496" | "5578268" | "5780717" | "5803117" | "5961925" | "6012487" | "6149882" | "6296749" | "6318157").PN. OR ("6632404").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:18
S60	19	("3035809" | "3150517" | "3294119" | "3521674" | "4334552").PN. OR ("4493476").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:22
S61	36	("4325412" | "4581624" | "5054522").PN. OR ("5178190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:23
S62	484	((layer$ laminat$ sheet) with (manifold valve)) and ("dead volume" dead $1volume$ "dead volumes")	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:25

S63	161	((layer$ laminat$ sheet) with (manifold valve)) and ("dead volume" dead $1volume$ "dead volumes") and $chromatogra$	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:26
S64	576	((layer$ laminat$ sheet) with (manifold valve)) and (gas with $chromatogra$)	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:40
S65	520	S64 not S63	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:40
S66	36	("4325412" | "4581624" | "5054522").PN. OR ("5178190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:52
S67	5	("2003/0015682").URPN.	USPAT	OR	ON	2009/02/11 15:52
S68	1	"20030015682".pn.	DERWENT	OR	ON	2009/02/11 15:53
S69	1	"6702256".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:53
S70	18	("4869282" | "5291226" | "5305015" | "5333831" | "5368704" | "5417235" | "5500071" | "5571410" | "5645702" | "5705813" | "5725017" | "5771902" | "5819749" | "5927325" | "5964239" | "6102068" | "6550497").PN. OR ("6702256").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:53
S71	36	("20010048900" | "20020057627" | "20020125134" | "20030015682" | "20030017609" | "20030159993" | "3182967" | "4483621" | "4869282" | "5291226" | "5305015" | "5333831" | "5368704" | "5417235" | "5500071" | "5571410" | "5645702" | "5725017" | "5771902" | "5819794" | "5921678" | "5927325" | "5964239" | "6065864" | "6082891" | "6102068" | "6146103" | "6264900" | "6331072" | "6331073" | "6550497").PN. OR ("6916113").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:54

S72	10	("3225520" | "4484061" | "5544276" | "6102068"). PN. OR ("6601606"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:56
S73	19	("3057376" | "3312238" | "4119120" | "4353243" | "4858883" | "5083742" | "5176359" | "5325889" | "5361802" | "5544276" | "5601115" | "5653259"). PN. OR ("6374860"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:57
S74	49	("1605832" | "2453553" | "2846121" | "2857082" | "2858851" | "2904070" | "3100984" | "3122168" | "3131706" | "3160015" | "3222135" | "3549994" | "3567389" | "3567390" | "3583232" | "3652228" | "3858450" | "3976429" | "3990853" | "3991055" | "4030888" | "4152391" | "4445391").PN. OR ("4726237").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 15:58
S75	22	("2981092" | "3040770" | "3070990" | "3116642" | "3150517" | "3297053" | "3349800" | "3442285" | "3489011").PN. OR ("3681998").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:00
S76	27	("3223123").URPN.	USPAT	OR	ON	2009/02/11 16:01
S77	38	("2833311" | "3070989" | "3201922" | "3368385" | "3753653" | "3785616" | "3916465" | "4044593" | "4057998" | "4474889" | "4634434" | "4935040" | "5053200" | "5105652"). PN. OR ("5340543"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:03
S78	18	("3150517").URPN.	USPAT	OR	ON	2009/02/11 16:04

S79	42	("2833151" | "2972888" | "2973117" | "3203249" | "3230048" | "3297053" | "3504799" | "3530721" | "3533295" | "3559458" | "3585863" | "3862038" | "3960003" | "4068528" | "4243071").PN. OR ("4444066").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:05
S80	21	("2846121" | "3112639" | "3116642" | "3150517" | "3267736" | "3447360" | "3489011" | "3800602"). PN. OR ("3916465"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:07
S81	15	("4017262" | "4452067" | "4567753" | "4577492" | "5071547" | "5547497" | "5567307" | "5652398"). PN. OR ("5958227"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:09
S82	3	("4027692" | "4181141" | "5766460").PN. OR ("6478042").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:10
S83	45	("2371632" | "2479177" | "2677390" | "3186234" | "3633426").PN. OR ("4119120").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:10
S84	82	("3889711" | "3934611" | "4119120" | "4203128" | "4304260" | "4333500" | "4471647" | "4562724" | "4581624" | "4647013" | "4676897" | "4756508" | "4768751").PN. OR ("4869282").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:16
S85	40	("2995410" | "3035383" | "3043127" | "3077766" | "3095746" | "3139755" | "3223123" | "3225520" | "3225521" | "3247702" | "3449938" | "3507147" | "3537297" | "3581465" | "3859209" | "3897679" | "4470832").PN. OR ("4521225").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:18
S86	17	("2846121" | "3112639" | "3267736" | "3447360" | "3489011" | "3501961"). PN. OR ("3800602"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:19

S87	18	("3150517").URPN.	USPAT	OR	ON	2009/02/11 16:19
S88	7	("3201922").URPN.	USPAT	OR	ON	2009/02/11 16:20
S89	15	("2846121").URPN.	USPAT	OR	ON	2009/02/11 16:21
S90	38	("2751034" | "3297053" | "3368385" | "3411525" | "3477207" | "3508582" | "3747630" | "3868970" | "4294285" | "4367645" | "4444066" | "4552178" | "4614204" | "4625569" | "4690179" | "4705627" | "4926702" | "5010921" | "5105851" | "5390552" | "5595211" | "5803117").PN. OR ("6012487").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:21
S91	23	("2719426" | "2751034" | "2918938" | "3040777" | "3198004" | "3422848" | "4552178" | "5010921").PN. OR ("5803117").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/11 16:22
S92	9	("3489011").URPN.	USPAT	OR	ON	2009/02/11 16:24
S93	3	"3916465".pn.	DERWENT	OR	ON	2009/02/11 17:56
S94	1	"20030026741".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/24 14:00
S96	1	"12750586"	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/17 13:14
S97	1	"7695681".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/17 13:15

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L9	461	210/659.ccls.	USPAT; UPAD	OR	ON	2011/02/19 16:03
L10	164	73/61.56.ccls.	USPAT; UPAD	OR	ON	2011/02/19 16:04
L11	68	95/89.ccls.	USPAT; UPAD	OR	ON	2011/02/19 16:04
L12	409	422/89.ccls.	USPAT; UPAD	OR	ON	2011/02/19 16:04
L13	924	422/70.ccls.	USPAT; UPAD	OR	ON	2011/02/19 16:04
L14	1225	73/23.35-23.42.ccls.	USPAT; UPAD	OR	ON	2011/02/19 16:05

L15	1	73/23.35-23.42.ccls. and (slid$4 near valve).clm.	USPAT; UPAD	OR		ON	2011/02/19 16:05
L16	63	73/23.35-23.42.ccls. and (mini$).clm.	USPAT; UPAD	OR		ON	2011/02/19 16:05
L17	63	73/23.35-23.42.ccls. and (mini$).clm.	USPAT; UPAD	OR		ON	2011/02/19 16:05
L18	12	96/105.ccls. and (mini $).clm.	USPAT; UPAD	OR		ON	2011/02/19 16:06
L19	7	73/19.02.ccls. and (mini$).clm.	USPAT; UPAD	OR		ON	2011/02/19 16:06

2/19/2011 4:06:55 PM
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